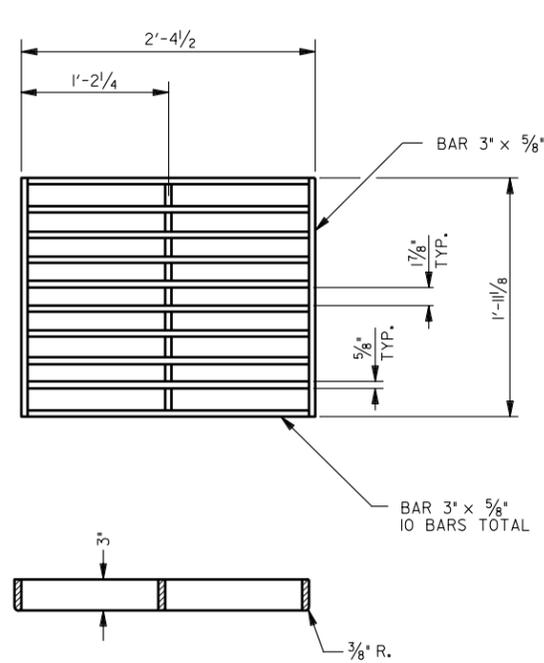
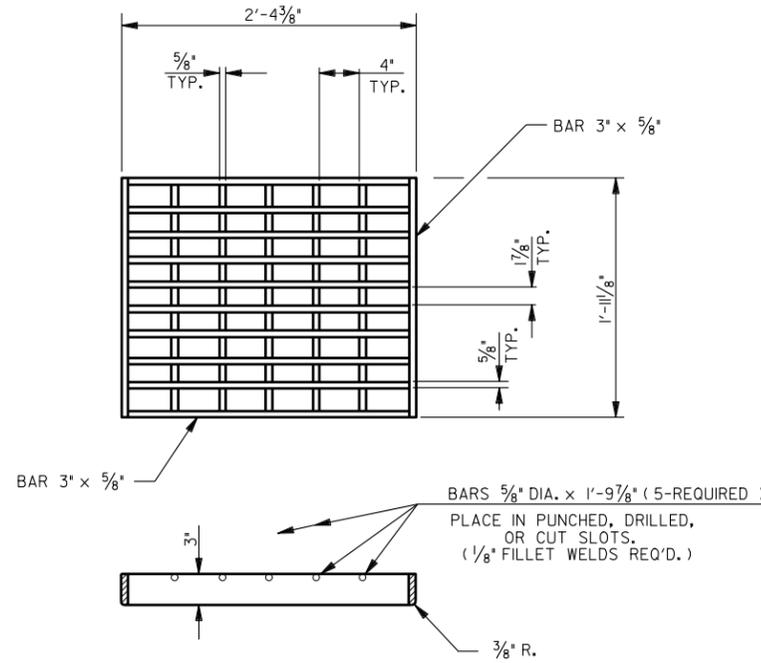


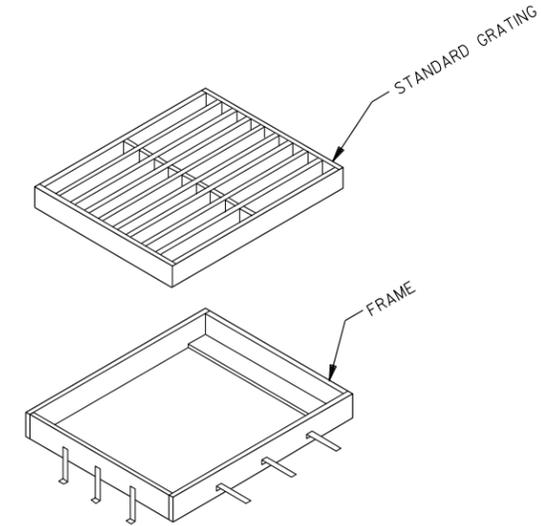
18-DEC-2007 DGN File: L:\Standard Drawings\Imperial\2008\Approved\Grates Frames and Trash Racks (GF)\GF08.dgn



**STANDARD GRATE**  
GRATE WEIGHT = 179 LBS.



**BICYCLE-SAFE GRATE**  
GRATE WEIGHT = 179 LBS.



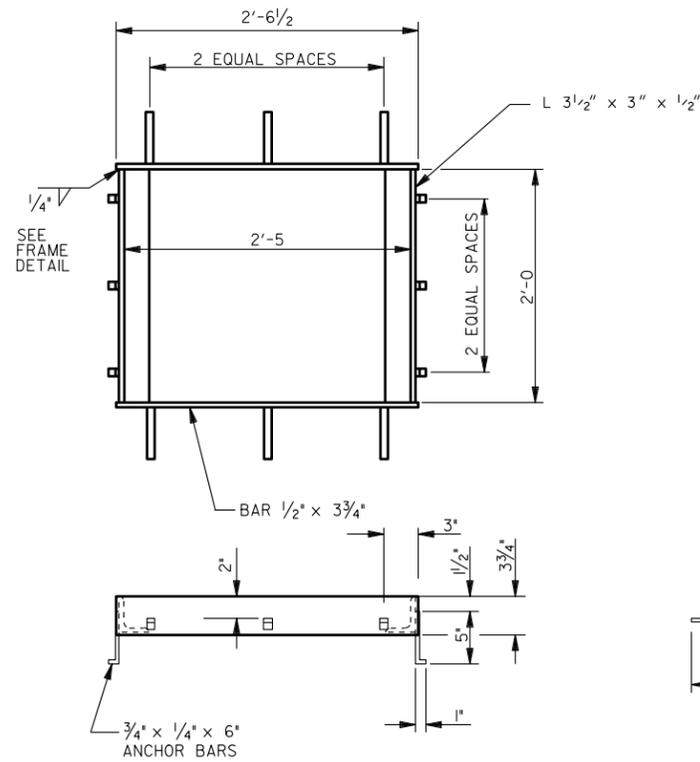
**NOTES:**

1. HOT-DIP GALVANIZE THE GRATING AND FRAME AFTER FABRICATION IN ACCORDANCE WITH AASHTO DESIGNATION M 111.
2. USE STRUCTURAL CARBON STEEL CONFORMING TO AASHTO DESIGNATION M 270 GRADE 36 FOR STRUCTURAL STEEL GRATING.
3. SEE ROADWAY PLANS FOR LOCATION AND NUMBER OF GRATES REQUIRED.
4. WELD ALL JOINTS WITH A 1/4" FILLET WELD UNLESS NOTED OTHERWISE.

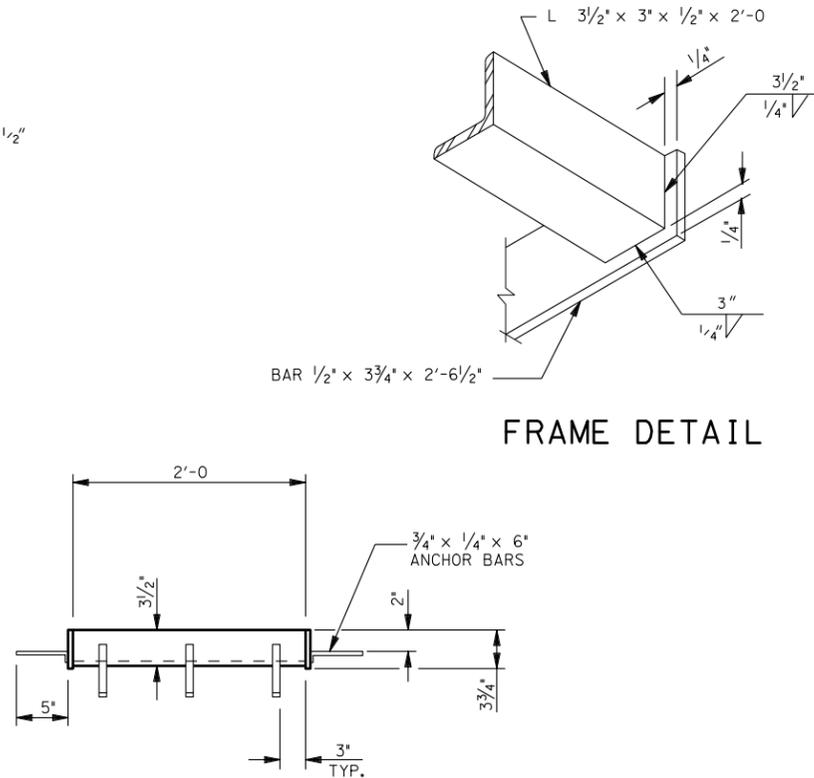
**DESIGN DATA**

GRATE AND FRAME: MEET HS-20 OR INTERSTATE ALTERNATE LOADING IN ACCORDANCE WITH AASHTO SPECIFICATIONS WHICH ARE IN EFFECT AT DATE OF REQUEST FOR BIDS.

STRUCTURAL STEEL:  $F_s=20,000\text{psi}$



**FRAME**  
FRAME WEIGHT = 77 LBS



**FRAME DETAIL**

REVISIONS

NO.	DATE	APPR.	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION  
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

RECOMMENDED FOR APPROVAL: *[Signature]*  
CHAIRMAN STANDARDS COMMITTEE  
APPROVED: *[Signature]*  
DEPUTY DIRECTOR

JAN.01.2008 DATE  
JAN.01.2008 DATE

2' x 2'  
GRATE AND FRAME

STANDARD DRAWING TITLE

STD DWG  
GF 8